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PATENT  
Atty. Dkt. AMAT/5975.P2/CP1/LB/PJS

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:  
Ganguli, et al.

Serial No.: 10/811,230

Confirmation No.: 8995

Filed: March 26, 2004

For: Ruthenium Layer  
Formation for Copper Film  
Deposition

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Group Art Unit: 1762

Examiner: Unknown

MAIL STOP AMENDMENT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

CERTIFICATE OF MAILING 37 CFR 1.8	
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5/23/05	
Date	Signature

Dear Sir:

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The Applicants, and the Attorney who signs below on the basis of the information supplied by the inventor and the information in his file, submit herewith patents, publications, or other information of which they are aware, which may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR § 1.56.

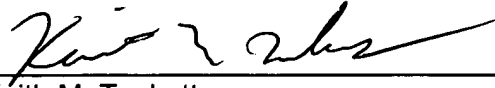
While the information submitted in this Supplemental Information Disclosure Statement may be material pursuant to 37 CFR § 1.56, it is not intended to constitute an admission that any patent, publication, or other information referred to therein is prior art for this invention unless specifically designated as such.

In accordance with 37 CFR § 1.97, this Supplemental Information Disclosure Statement is not to be construed as a representation that a search has been made or that no other possibly material information as defined under 37 CFR § 1.56(a) exists.

The patents and/or publications submitted herewith are set forth on the attached Form PTO-1449.

If the sum of \$180.00 is due under 37 CFR § 1.17(p) pursuant to § 1.97, the Commissioner is hereby authorized to charge this fee, and any other fee necessary to make this submission timely, to the Deposit Account No. 20-0782/AMAT/5975.P2/KMT.

Respectfully submitted,



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DISCLOSURE STATEMENT BY  
APPLICANT**

(Use as many sheets as necessary)

Sheet 1

of 1

Application Number	10/811,230
Filing Date	March 26, 2004
First Named Inventor	Ganguli, et al.
Group Art Unit	1762
Examiner Name	Unknown
Attorney Docket Number	AMAT/5975.P2/CPI/LB/PJS
Submission Date	May 23, 2005

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	A1	US-6887795	05/03/2005	SOININEN, ET AL.	
	A2	US-6800937	10/05/2004	MARSH, ET AL.	
	A3	US-6800542	10/05/2004	KIM	
	A4	US-6780758	08/24/2004	DERDERIAN, ET AL.	
	A5	US-6744138	06/01/2004	MARSH	
	A6	US-6743739	06/01/2004	SHIMAMOTO, ET AL.	
	A7	US-6737317	05/18/2004	MARSH, ET AL.	
	A8	US-6627995	09/30/2003	PARANJPE, ET AL.	
	A9	US-6576778	06/10/2003	UHLENBROCK, ET AL.	
	A10	US-6541067	04/01/2003	MARSH, ET AL.	
	A11	US-6517616	02/11/2003	MARSH, ET AL.	
	A12	US-6338991	01/15/2002	ZHANG, ET AL.	
	A13	US-6114557	09/05/2000	UHLENBROCK, ET AL.	
	A14	US-20040241321	12/02/2004	GANGULI, ET AL.	
	A15	US-20040105934	06/03/2004	CHANG, ET AL.	
	A16	US-20040038529	02/26/2004	SOININEN, ET AL.	
	A17	US-20040005753	01/08/2004	KOSTAMO, ET AL.	
	A18	US-20030212285	11/13/2003	UHLENBROCK, ET AL.	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
	B1	WO 03/056612	07/10/2003	GENITECH CO., LTD.		

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
	C1	International Search Report dated March 11, 2005 regarding International Application No. PCT/US2004/024805 (AMAT/5975PC02PCT)	

Examiner

Date Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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